

CLAIMS

1. A display system comprising:

two display devices;

5 a coupling section for coupling the two display devices such that one display device can be displaced relative to the other display device;

a detection section for detecting a value by which a position of the one display device relative to the other display device
10 can be identified; and

a display control section for generating an image to be displayed on at least the one display device, based on the position detected by the detection section, wherein

the one display device displays the image generated by the
15 display control section.

2. The display system according to claim 1, wherein

the display control section generates a first image representing a map of a predetermined area and a second map image
20 representing a map of an area surrounding the predetermined area,

the one display device displays the second map image generated by the display control section, and

the other display device displays the first map image generated by the display control section.

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3. The display system according to claim 1, wherein
the display system is installed in a vehicle, and
the display control section generates an image at least
for a passenger in the vehicle.

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4. The display system according to claim 2, wherein the
coupling section is provided to a backside of either the one or
the other display device so as to couple the display devices such
that either the other or the one display device can be fixed.

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5. The display system according to claim 4, wherein the
coupling section couples the display devices such that display
sides of the one and the other display devices can be fixed facing
in substantially a same direction.

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6. The display system according to claim 5, wherein
the other display device has a groove of a predetermined
shape formed in a backside thereof,
the coupling section includes:

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a first supporting member engaged in the groove and
sliding along the groove;

a coupling member rotatably connected to the first
supporting member; and

a second supporting member rotatably connected to the
coupling member and further supporting the one display device.

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7. The display system according to claim 6, wherein
the one display device has an accommodating section formed
at each of four corners thereof, and

5 the accommodating sections each have at least one plane
selected based on a size of the first supporting member.

8. The display system according to claim 4, wherein
the coupling section includes:

10 a guide section comprised in the one display device and having
a groove formed therein which extends in substantially a same
direction as a direction of one side of the one display device;
and

a slide section comprised in the other display device and
15 sliding along the groove.

9. The display system according to claim 7, wherein
the coupling section further includes a rotation section
comprised at a midpoint of the guide section, and

20 the rotation section allows a part of the guide section to
rotate relative to end points of a rest part of the guide section.

10. The display system according to claim 4, wherein
the coupling section includes first and second supporting
25 members comprised in the one and the other display devices, and

the first and second supporting members are coupled together,
and allow either the one or the other display device to rotate
in a first direction along a display side of either the other or
the one display device.

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11. The display system according to claim 10, wherein the
first and second supporting members further allow either the one
or the other display device to rotate in a second direction vertical
to the first direction.

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12. The display system according to claim 4, wherein
the coupling section includes first and second supporting
members comprised in the one and the other display devices, and
the first and second supporting members are coupled together,
15 and allow either the one or the other display device to rotate
in a first direction vertical to a display side of either the other
or the one display device.